ODS 5612

OBSTRUCTION DATA SHEET

ODS 5612
JEFFCO AIRPORT
DENVER, COLORADO

DIGITIZED FROM

OC 5612
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6TH EDITION

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THE NATIONAL OCEAN SERVICE
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OBSTRUCTION DATA SHEET

The Obstruction Data Sheet (ODS) provides digital obstruction and runway data for use in aircraft arrival and departure planning. This information has been obtained using field survey and photogrammetric methods by the Photogrammetry Branch of the National Ocean Service in accordance with Federal Aviation Regulations Part 77 (FAR-77), "Objects Affecting Navigable Airspace" and FAA Nr. 405, "Specifications - Airport Obstruction Chart and Related Products."

The ODS is a derivative of the Airport Obstruction Chart (OC). The source OC is indicated on the ODS cover. All objects, both obstructing and nonobstructing, that carry an elevation on the OC are listed in the ODS. The ODS (and OC) depict a representation of objects that existed at the time of the OC field survey.

ODS information is arranged as follows:

1. Objects located in FAR-77 approach (including supplemental approaches if present) or primary areas are listed with the associated runway (reference runway). For example, all objects in the Runway 9R approach or primary are listed with Runway 9R. Distances to these objects are computed from both the physical end and threshold of Runway 9R. Objects in the Runway 27L approach or primary are listed with Runway 27L. (Objects in the common 9R/27L primary area are listed with both runways.)

2. All objects not included in "1" above are listed with the Airport Reference Point (ARP).

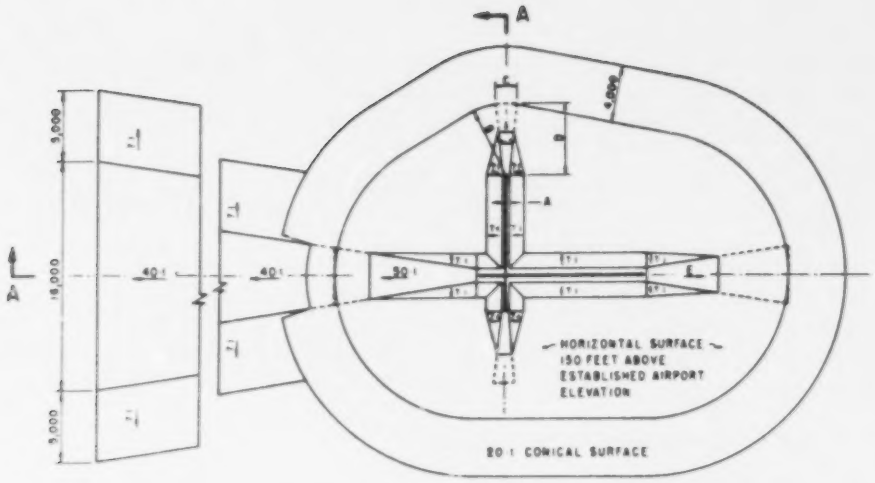
3. Runway configuration and runway lengths, widths, and elevations are presented on the ODS last page.

The FAR-77 imaginary approach surfaces for which the obstruction surveys were performed are coded in the ODS as follows (see footnote 2 on page 3):

A(V) ..... Utility runway - visual approach only
A(NP) .... Utility runway - nonprecision instrument approach
B(V) ..... Nonutility runway - visual approach only
C .... Nonutility runway - nonprecision instrument approach with visibility minimums greater than 3/4 mile
D .... Nonutility runway - nonprecision instrument approach with visibility minimums as low as 3/4 mile
PIR ...... Precision instrument runway
SUPLC ... Supplemental C underlying a B(V)

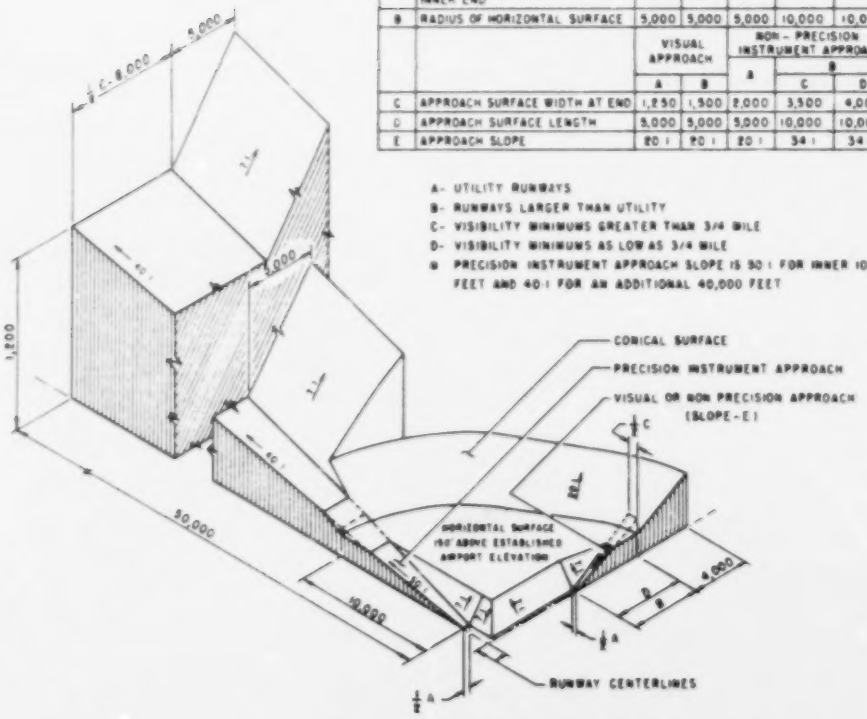
FAR-77 imaginary surface dimensions are defined on page 2 of this report.

Primary surface width is determined by the widest approach at the two approach/primary interfaces for that runway.



DIM	ITEM	DIMENSIONAL STANDARDS (FEET)					
		VISUAL RUNWAY		NON-PRECISION INSTRUMENT RUNWAY			PRECISION INSTRUMENT RUNWAY
		A	B	A	B		
					C	D	
A	WIDTH OF PRIMARY SURFACE AND APPROACH SURFACE WIDTH AT INNER END	250	500	500	500	1,000	1,000
B	RADIUS OF HORIZONTAL SURFACE	5,000	5,000	5,000	10,000	10,000	10,000
		VISUAL APPROACH		NON-PRECISION INSTRUMENT APPROACH			PRECISION INSTRUMENT APPROACH
		A	B	A	B		
					C	D	
C	APPROACH SURFACE WIDTH AT END	1,250	1,500	2,000	3,500	4,000	16,000
D	APPROACH SURFACE LENGTH	5,000	5,000	5,000	10,000	10,000	*
E	APPROACH SLOPE	20:1	20:1	20:1	34:1	34:1	*

A- UTILITY RUNWAYS
B- RUNWAYS LARGER THAN UTILITY
C- VISIBILITY MINIMUMS GREATER THAN 3/4 MILE
D- VISIBILITY MINIMUMS AS LOW AS 3/4 MILE
* PRECISION INSTRUMENT APPROACH SLOPE IS 50:1 FOR INNER 10,000 FEET AND 40:1 FOR AN ADDITIONAL 40,000 FEET



ISOMETRIC VIEW OF SECTION A-A

FAR-77 CIVIL AIRPORT IMAGINARY SURFACES

ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

X[1] X[2] XXXX/XXXX[3] XXXXXX.XXX[4] XXXXXXX.XXX[4] XXXXXXX[5] XXXX/XXXX[6] XXXXXX.XXX[7] XXXXXXX.XXX[7]

OBJECT	LAT	LONG	A[8]	ELEV[9]	AGL[10]	HAR[11]	HAT[11]	HAA[11]	DEND[12]	DTHR[12]	DCLN[12]	PNTR[13]
XXXXXXXXXXX	XXXXXX.XXX	XXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX
XXXXXXXXXXX	XXXXXX.XXX	XXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX

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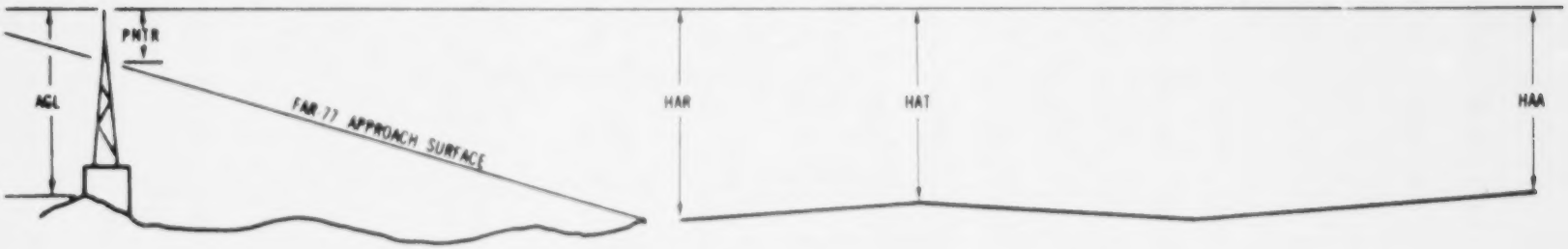
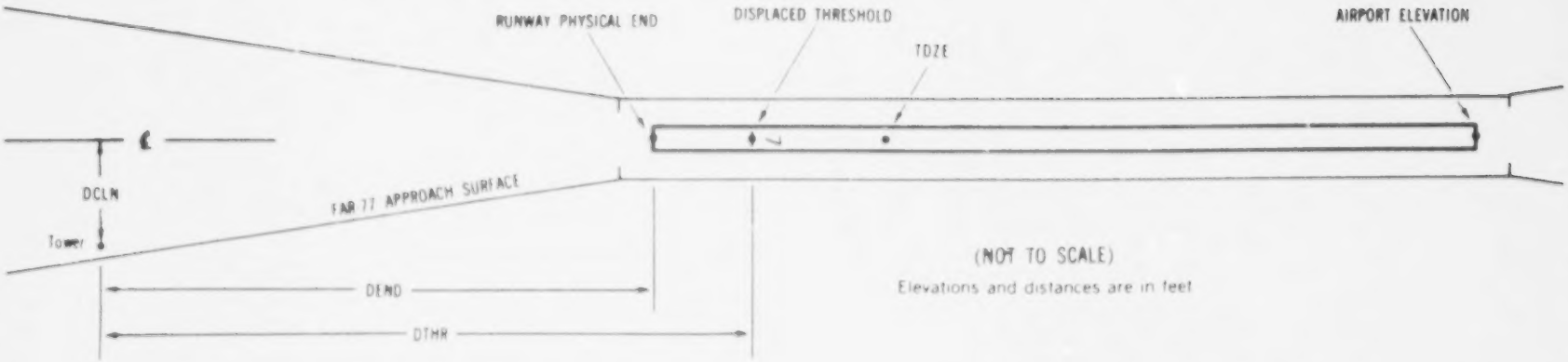




(NOT TO SCALE)

Elevations and distances are in feet

EXPLANATION OF FOOTNOTES

[1] Data block identifier. If a runway number is entered (reference runway), this data block will contain data pertinent to the reference runway and to objects in the FAR-77 approach and primary area of the reference runway. If ARP is entered, this data block will contain the ARP position and data relative to all objects not in an FAR-77 approach or primary area.

[2] For the reference runway, the lowest FAR-77 approach surface for which an obstruction survey was performed. (More than one surface may be surveyed.)

[3] Reference runway approach physical end elevation/touchdown zone elevation

[4] Latitude and longitude of reference runway approach physical end

[5] Reference runway geodetic azimuth reckoned clockwise from south

[6] Reference runway displaced threshold elevation/touchdown zone elevation

[7] Latitude and longitude of reference runway displaced threshold

[8] Accuracy Code:

Horizontal	Vertical
1 = 20	A = 2
2 = 40	B = 5
	C = 20

[9] Mean Sea Level (MSL) elevation at top of object. This value includes 15 feet added to noninterstate roads, 17 feet added to interstate roads, and 23 feet added to railroad tracks.

[10] Height above ground level (AGL). AGLs are provided only for those objects appearing on the OC that are equal to, or greater than, 200 feet AGL. AGL accuracy is ±10 feet.

[11] HAA - Height above airport
HAR - Height above reference runway approach physical end
HAT - Height above reference runway touchdown zone elevation

[12] DEND - Distance along reference runway centerline from point perpendicular to object to reference runway approach physical end
DTHR - Distance along reference runway centerline from point perpendicular to object to reference runway threshold
DCLN - Distance left (L) or right (R) of reference runway centerline as observed facing forward in a landing aircraft.

A negative value for DEND or DTHR indicates object is in primary area on roll-out side of zero distance point.

[13] PNTR - Penetration of indicated FAR-77 approach or primary surface (see footnote 2).

OC5612

AIRPORT ELEVATION 5657

2 A(V) 5612/5616 395421.177N 10507 3.163W 2141713

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNT

*** N O O B S T R U C T I O N S ***

20 A(V) 5596/5616 395450.570N 1050637.138W 0341729

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNT
TREE	395452.65	1050632.88	1A	5597		1	-19	-60	361		155L	-7

11L C 5657/5657 395455.083N 1050740.393W 3041707

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNT
TREE	395402.60	1050611.57	1A	5575		-82	-82	-82	-8710		487R	10
ROD ON OL GLIDE SLOPE	395407.14	1050615.47	1A	5589		-68	-68	-68	-8201		279R	19
FENCE	395412.09	1050611.32	1A	5574		-83	-83	-83	-8186		317L	4
TREE	395420.00	1050623.16	1A	5592		-65	-65	-65	-6972		458L	9
OL ON ANEMOMETER	395429.19	1050659.69	1A	5643		-14	-14	-14	-4096		378R	24
GROUND	395444.11	1050727.01	1A	5650		-7	-7	-7	-1487		330R	2
POST	395452.28	1050745.80	1A	5658		1	1	1	188		472R	1
OL ON LOCALIZER	395457.30	1050744.62	1A	5661		4	4	4	399		0R	-2

OC5612

AIRPORT ELEVATION 5657

29R PIR 5562/5595 395404.984N 10506 5.009W 1241808

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNT
POST	395452.28	1050745.80	1A	5658		96	63	1	-9185		472L	1
GROUND	395444.11	1050727.01	1A	5650		88	55	-7	-7510		330L	2
OL ON ANEMOMETER	395429.19	1050659.69	1A	5643		81	48	-14	-4901		378L	24
TREE	395420.00	1050623.16	1A	5592		30	-3	-65	-2025		458R	9
FENCE	395412.09	1050611.32	1A	5574		12	-21	-83	-811		317R	4
ROD ON OL GLIDE SLOPE	395407.14	1050615.47	1A	5589		27	-6	-68	-797		279L	19
TREE	395402.60	1050611.57	1A	5575		13	-20	-82	-287		487L	10
POST	395407.41	1050558.35	1A	5563		1	-32	-94	291		495R	-1

11R A(V) 5654/5654 395437.546N 1050732.603W 3041744

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNT
GROUND	395413.60	1050649.75	1A	5598		-56	-56	-59	-4124		120R	0
TREE	395429.96	1050715.24	1A	5628		-26	-26	-29	-1550		128L	3
GROUND	395436.10	1050728.31	1A	5647		-7	-7	-10	-358		67L	0
GROUND	395435.58	1050731.63	1A	5651		-3	-3	-6	-174		121R	0
GROUND	395438.30	1050734.92	1A	5656		2	2	-1	192		39R	2

29L A(V) 5598/5634 395415.278N 1050650.217W 1241811

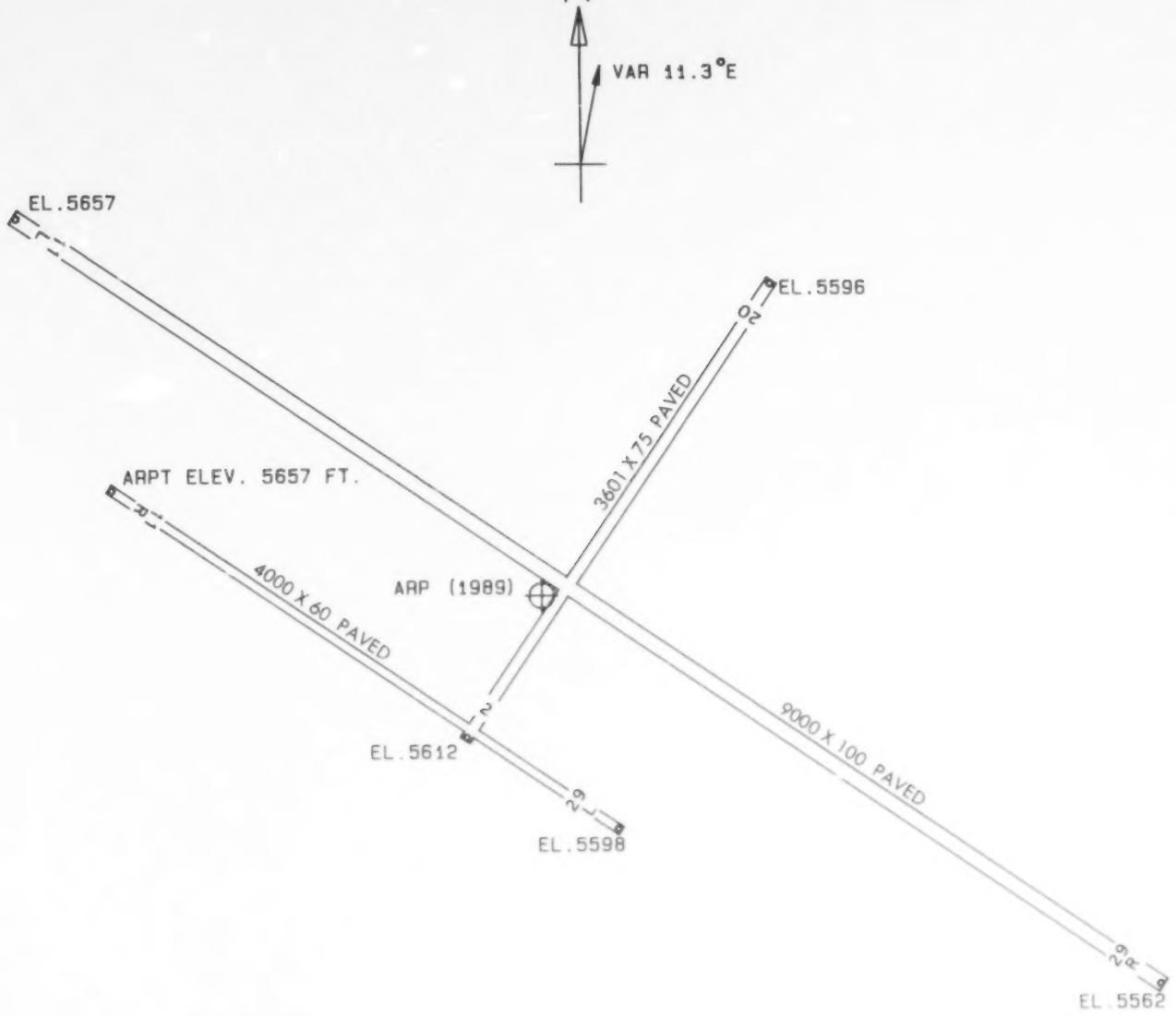
OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNT
GROUND	395438.30	1050734.92	1A	5656		58	22	-1	-4191		39L	2
GROUND	395435.58	1050731.63	1A	5651		53	17	-6	-3824		121L	0
GROUND	395436.10	1050728.31	1A	5647		49	13	-10	-3640		67R	0
TREE	395429.96	1050715.24	1A	5628		30	-6	-29	-2449		128R	3
GROUND	395413.60	1050649.75	1A	5598		0	-36	-59	126		120L	0

OC5612

AIRPORT ELEVATION 5657

ARP 395430.429N 1050656.653W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
OL BUILDING	395441.29	1050649.94	1A	5621		-36	14 9	1217
FENCE	395420.87	1050706.54	1A	5614		-43	207 14	1237
OL ON WINDSOCK	395432.65	1050712.97	1A	5658		1	268 43	1291
ROD ON OL AIRPORT BEACON	395443.64	1050654.00	1A	5671		14	357 29	1352
ANTENNA ON OL CONTROL TR	395435.25	1050638.53	1A	5680		23	59 38	1495
LIGHT STANDARD	395444.86	1050701.60	1A	5678		21	333 55	1510
ANTENNA ON HANGAR	395431.99	1050634.10	1A	5637		-20	73 35	1765
ANTENNA ON HANGAR	395447.06	1050705.78	1A	5684		27	325 48	1827
TANK	395427.66	1050720.27	1A	5671		14	250 3	1862
GROUND	395445.96	1050643.75	1A	5605		-52	21 19	1866
HANGAR	395449.97	1050643.93	1A	5635		-22	15 20	2212
LIGHT STANDARD	395425.11	1050623.37	1A	5637		-20	90 25	2649
POWER LINE	395452.21	1050631.09	1A	5604		-53	30 48	2970
POLE	395451.60	1050629.80	1A	5619		-38	33 2	2994
POLE	395438.18	1050741.49	1A	5697		40	271 21	3581
POST	395450.56	1050858.22	1B	5807		150	270 51	9690
SIGN	395444.10	1050921.85	1B	5831		174	265 41	11399
TRANSMISSION TOWER	395436.87	1050952.15	2C	5916		259	261 27	13691
TRANSMISSION TOWER	395444.23	1050954.82	2C	5923		266	264 27	13954



TOUCHDOWN ZONE RUNWAY	ELEVATION
2	5616
20	5616
11L	5657
29R	5595
11R	5654
29L	5634

JEFFCO AIRPORT

DENVER, COLORADO

(NOT TO SCALE)